

Abbott-84538 Solubility (mg/g) 100 110 120 130 140 150 160. – 170 T 60 80 90 70 Water Content (%w/w) 4 0 6 7% EIOH 5% EIOH 9% E10H 3% E10H 12% EtOH 5°C 0.8 <u>-</u> **4 D** 1.2 0.4 Water Content (%w/w)  $\Box$   $\bigcirc$ 1 0.6 <u>\_\_</u>; 0.8 15°C <u>1</u>.0 ◁ 1.2 0.4 Water Content (%w/w) 0.6 25°C 0.8 1.0 1.2

Figure 3. Solubility of Ritonavir Form II As a Function of Temperature, Water, Ethanol.

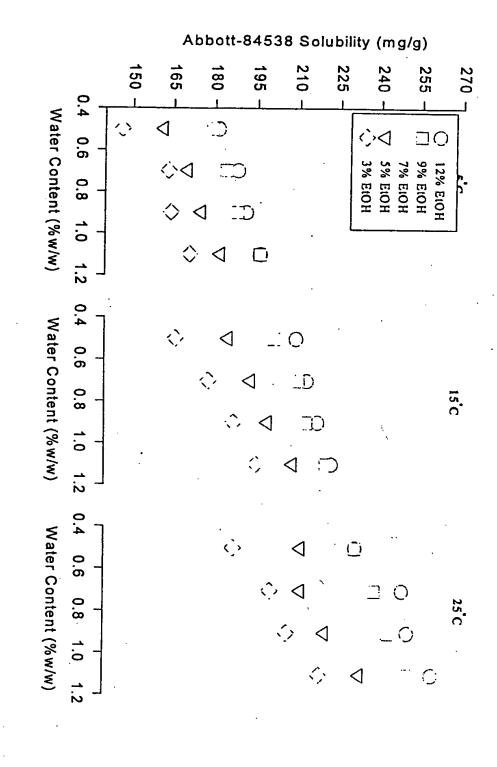


Figure 4. Solubility of Ritonavir Form I As a Function of Temperature, Water and Ethanol.

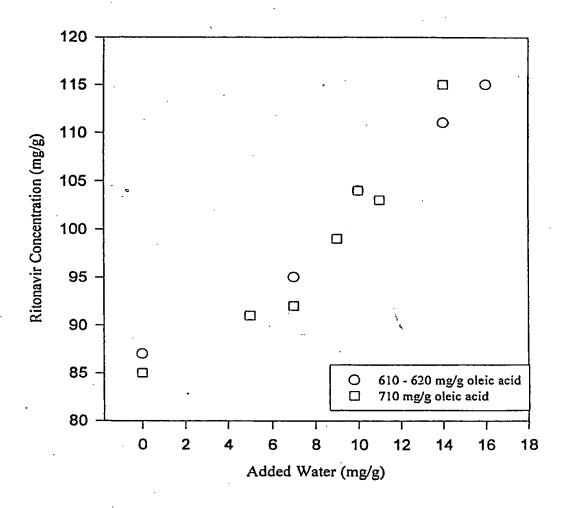


Figure 5. Effect of Added Water on Form II Solubility at 120 mg/g Ethanol.

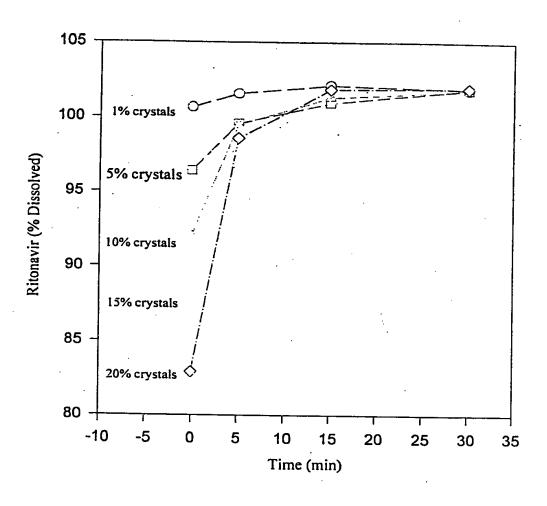


Figure 6. Dissolution Profiles of Ritonavir Form II Crystals in Modified Formulation Containing 30 mg/g Ethanol at 37°C.

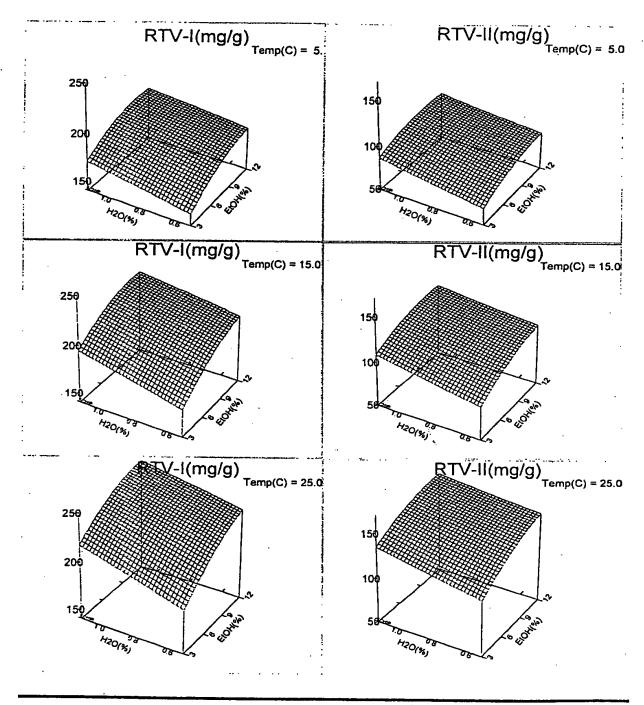


Figure 7. 3D Plots for the Solubility of Ritonavir Form I and II As a Function of Temperature, Water and Ethanol.